

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Jim McWhir et al.

For: SELECTIVE ANTIBODY TARGETING OF
UNDIFFERENTIATED STEM CELLS

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR § 1.98(d)**

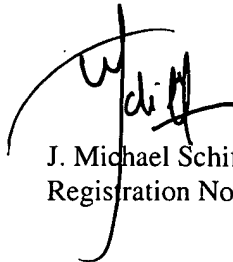
Commissioner for Patent
Alexandria, VA 22313

Dear Sir:

The information listed in the accompanying form PTO-1449 may be material to examination of this application and are submitted in compliance with the duty of disclosure under 37 CFR § 1.56. The Examiner is requested to make this information of record in the application.

Copies of the information are not provided herewith, but were previously filed in parent application 09/995,419, to which this application claims priority under 35 USC § 120. The Examiner is respectfully directed to the file for application 09/995,419 to access the information listed on the accompanying form PTO-1449. This is in compliance with the provisions of 37 CFR § 1.98(d).

This Information Disclosure Statement is not to be construed as a representation that a full search for relevant information has been made, or that the information listed on the accompanying PTO-1449 is material to patentability of the claimed invention under 37 CFR § 1.56(b).



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March 26, 2004

Form 1449 (modified)	Docket: 096/006d	U.S.S.N.
Information Disclosure Statement By Applicant	Title: Selected Antibody Targeting of Undifferentiated Stem Cells Inventors: McWhir, et al.	
	Filing Date: March 26, 2004	Group:

U.S. Patent Documents

Examiner Initial	Ref.	Patent No.	Filing Date	Issue Date	Class/ Subclass	Inventors:	Title:
	A	4,959,313	Jun 22/87	Sep 25/90	435/69.1	Taketo	Cellular enhancer for expressing genes in undifferentiated stem cells
	B	5,068,191	Aug 31/89	Nov 26/91	435/193	Clausen, et al.	Purified Histo-Blood Group A Glycosyltransferase and Antibodies Thereto
	C	5,082,670	424/520	Jan 21/92	424/520	Gage, et al.	Method of grafting genetically modified cells to treat defects, disease or damage or the central nervous system
	D	5,326,857	Aug 29/91	Jul 5/94	536/23.2	Yamamoto, et al.	ABO Genotyping
	E	5,639,618	May 13/94	Jun 17/97	435/7.21	Gay	Method of isolating a lineage specific stem cell in vitro
	F	5,672,499	Jun 7/95	Sep 30/97	435/240.4	Anderson, et al.	Immortalized Neural Crest Stem Cells and Methods of Making
	G	5,716,411	Feb 6/96	Feb 10/98	623/15	Orgill, et al.	Method of skin regeneration using a collagen-glycosaminoglycan matrix and cultured epithelial autograft
	H	5,736,396	Jan 24/95	Apr 7/98	435/366	Bruder, et al.	Lineage-directed induction of human mesenchymal stem cell differentiation
	I	5,750,397	Jun 6/95	May 12/98	435/372	Tsukamoto, et al.	Human hematopoietic stem cell
	J	5,766,948	Nov 3/93	Jun 16/98	435/368	Gage, et al.	Method for Production of Neuroblasts
	K	5,851,832	Jun 7/95	Dec 22/98	435/368	Weiss, et al.	In vitro growth and proliferation of multipotent neural stem cells and their progeny
	L	5,843,780	Jan 18/96	Dec 1/98	435/363	Thomson	Primate embryonic stem cells
	M	5,968,829	Sep 5/97	Oct 19/99	435/467	Carpenter	Human CNS neural stem cells
	N	6,015,671	Nov 21/97	Jan 18/00	435/6	Field	Myocardial Grafts and Cellular Compositions
	O	6,087,168	Jan 20/99	Jul 11/00	435/345	Levesque, et al.	Conversion of non-neuronal cells into neurons: transdifferentiation of epidermal cells
	P	6,090,622	Mar 31/97	Jul 18/00	435/366	Gearhart, et al.	Human embryonic pluripotent germ cells
	Q	6,200,806	Jun 26/98	Mar 13/01	435/366	Thomson	Primate Embryonic Stem Cells

Foreign Patent or Published Foreign Patent Application

Examiner Initial	Ref.	Document No.	Publ. Date	Jurisdiction	Title:	Translation
	R	WO 97/32025	Sep 4/97	PCT	Method for selective engraftment of drug-resistant hematopoietic stem cells	N/A

Examiner	Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. **Include copy of this form with next communication to applicant.**

Form 1449 (modified)	Docket: 096/006d	U.S.S.N.
Information Disclosure Statement By Applicant	Title: Selected Antibody Targeting of Undifferentiated Stem Cells Inventors: McWhir, et al.	
	Filing Date: March 26, 2004	Group:

Foreign Patent or Published Foreign Patent Application

Examiner Initial	Ref.	Document No.	Publ. Date	Juris-diction	Title:	Translation
	S	WO 98/39427	Sep 11/98	PCT	Gene therapy using bone marrow transplants transfected with therapeutic genes under the control of tissue-specific promoters	N/A
	T	WO 99/10535	Mar 4/99	PCT	A process to study changes in gene expression in stem cells	N/A
	U	WO 99/19469	Apr 22/99	PCT	Porcine stem cells comprising a marker under an OCT-4 promoter	N/A
	V	WO 99/20741	Apr 29/99	PCT	Methods and materials for the growth of primate-derived primordial stem cells	N/A
	W	WO 00/15764	Mar 23/00	PCT	Propagation and/or derivation of embryonic stem cells	N/A

Other Documents

Examiner Initial	Ref.	Author, Title, Date, Source
	X	Amit, et al., Clonally Derived Human Embryonic Stem Cell Lines Maintain Pluripotency and Proliferative Potential for Prolonged Periods of Culture, Dev. Biol. 227:271 (2000)
	Y	Auerbach, et al., Transplanted CNS stem cells form functional synapses in vivo, Eur. J. Neurosci. 12:1696 (2000)
	Z	Brustle, et al., Embryonic stem cell-derived glial precursors: a source of myelinating transplants, Science 285:754 (1999)
	AA	Galili, et al., Man Apes, and Old World Monkeys Differ from Other Mammals in the Expression of α -Galactosyl Epitopes on Nucleated Cells, J. Biol. Chem. 263:17755 (1988)
	AB	Inverardi, et al., Human natural killer lymphocytes directly recognize evolutionarily conserved oligosaccharide ligands expressed by xenogeneic tissues, Transplantation 63:1318 (1997)
	AC	Klug, et al., Genetically selected cardiomyocytes from differentiating embryonic stem cells form stable intracardiac grafts, J. Clin. Invest. 98:216 (1996)
	AD	Schuldiner, et al., Effects of eight growth factors on the differentiation of cells derived from human embryonic stem cells, Proc. Natl. Acad. Sci. USA 97:11307 (2000)
	AE	Shamblott, et al., Derivation of pluripotent stem cells from cultured human primordial germ cells, Proc. Natl. Acad. Sci. USA 95:13726 (1998)
	AF	Thomson, Embryonic stem cell lines derived from human blastocysts, Science 282:1145 (1998)
	AG	Thomson, et al., Isolation of a primate embryonic stem cell line, Proc. Natl. Acad. Sci. USA 92:7844 (1995)

Examiner	Date Considered

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Form 1449 (modified)	Docket: 096/006d	U.S.S.N.:
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Title: Selective Antibody Targeting of Undifferentiated Stem Cells Inventors: Jim McWhir, <i>et al.</i>	
	Filing Date: March 26, 2004	Group: 1632

U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document No.	Filing Date	Publication Date	Class/ Subclass	Inventors	Title
none							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner Initial	Ref.	Document No.	Publication Date	Juris-diction	Title	Translation
	BA	WO 99/45100	Sep 10/99	PCT	Embryonic or Stem-Like Cell Lines Produced by Cross-Species Nuclear Transplantation	N/A
	BB	WO 00/46355	Aug 10/00	PCT	Telomerase Reverse Transcriptase Regulatory Sequences	N/A
	BC	WO 01/11011	Feb 15/01	PCT	Multipotent Adult Stem Cells and Methods for Isolation	N/A
	BD	WO 01/88104	Nov 22/01	PCT	Neural Progenitor Cell Populations	N/A

OTHER DOCUMENTS

Examiner Initial	Ref.	Author, Title, Source, Date
none		

Examiner	Date Considered

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Form 1449 (modified) Information Disclosure Statement By Applicant	Docket: 096/006d U.S.S.N. Title: Selected Antibody Targeting of Undifferentiated Stem Cells Inventors: McWhir, et al. Filing Date: March 26, 2004 Group:
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U.S. Patent Documents

Examiner Initial	Ref.	Patent No.	Filing Date	Issue Date	Class/ Subclass	Inventors:	Title:
	CA	6,146,888		Nov 2000	435/325	Smith et al	
	CB	5,639,618		June 1997	435/7.21	Gay et al.	

Foreign Patent or Published Foreign Patent Application

Examiner Initial	Ref.	Document No.	Publ. Date	Juris-diction	Title:	Translation
(None)						

Other Documents

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(None)		

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